

Issued 1983-05  
Reaffirmed 2010-06

Superseding J1248 NOV2002

## Performance Requirements for Parking Stability of Motorcycles

1. **Scope**—This SAE Recommended Practice presents performance requirements for the parking stability of two-wheeled motorcycles intended for highway use.
2. **References**
  - 2.1 **Applicable Publication**—The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.
    - 2.1.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.  
SAE J1101—Test Procedures for Parking Stability of Motorcycles
3. **Performance Requirements**—When tested according to SAE J1101, the motorcycle shall meet the following requirements:
  - 3.1 **Maximum Pressure on the Parking Surface**
    - 3.1.1 SIDE STAND—700 kPa (100 lbf/in<sup>2</sup>).
    - 3.1.2 CENTER STAND—700 kPa (100 lbf/in<sup>2</sup>).
  - 3.2 **Minimum Required Tip Over Angle**—See Figure 1.
  - 3.3 **Minimum Required Roll Off Angle**—See Figure 2.

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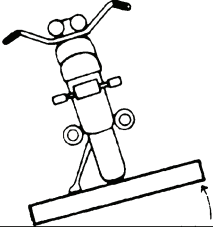
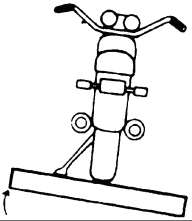
| Device       | Direction of Tilt    | Diagram of Procedure                                                                | Minimum Required Performance (Deg) |
|--------------|----------------------|-------------------------------------------------------------------------------------|------------------------------------|
| Side Stand   | Toward Side Stand    |    | 16                                 |
| Side Stand   | Away from Side Stand |    | 8                                  |
| Center Stand | Left                 |  | 8                                  |
| Center Stand | Right                |  | 8                                  |

FIGURE 1—TIP OVER CONFIGURATION

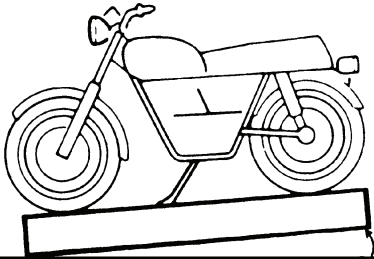
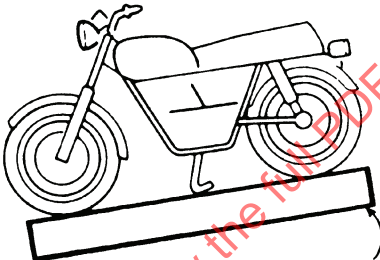
| Device       | Direction of Tilt | Diagram of Procedure                                                                | Minimum Required Performance (Deg) |
|--------------|-------------------|-------------------------------------------------------------------------------------|------------------------------------|
| Side Stand   | Forward           |   | 4                                  |
| Center Stand | Forward           |  | 8                                  |

FIGURE 2—ROLL OFF CONFIGURATION

PREPARED BY THE SAE MOTORCYCLE COMMITTEE